

Title (en)

A METHOD AND APPARATUS FOR ESTIMATING PATH LOSS IN A RADIO COMMUNICATIONS SYSTEM

Title (de)

VERFAHREN UND EINRICHTUNG ZUR SCHÄTZUNG DER STRECKE-DÄMPFUNG IN EINEM FUNK-KOMMUNIKATIONSSYSTEM

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'ESTIMER UN AFFAIBLISSEMENT DE PROPAGATION DANS UN SYSTEME DE RADIOCOMMUNICATION

Publication

**EP 0954939 A1 19991110 (EN)**

Application

**EP 98901610 A 19980109**

Priority

- SE 9800016 W 19980109
- SE 9700176 A 19970122

Abstract (en)

[origin: WO9832302A1] Path loss of radio connections are modelled as amplification factors and assume values between 0 and 1. The method is commenced by selecting a radio channel (chy). The power levels (Piy,t) transmitted by transmitters (MSi) on the selected channel is determined (302). The power level (Sxy,t) received in receivers (BSx) on the channel (chy) is measured (303). The base station membership (BSa, BSx) of the transmitters and receivers is identified (304). Estimated percentile values (G<r>ax,t) of the amplification factors of all combinations of transmitter and receiver pairs are generated with the transmitted and received power levels as input data. The generated values are stored (305) in an amplification element matrix as observations of the percentile values of amplification factors of pair-wise combination of base station (BSa-BSx). The method steps are repeated for all radio channels.

IPC 1-7

**H04Q 7/30**; **H04Q 7/38**

IPC 8 full level

**H04B 7/005** (2006.01); **H04B 7/26** (2006.01); **H04B 17/00** (2006.01); **H04Q 7/38** (2006.01); **H04W 48/20** (2009.01); **H04W 52/24** (2009.01)

CPC (source: EP US)

**H04W 48/20** (2013.01 - EP US); **H04W 52/24** (2013.01 - EP US)

Citation (search report)

See references of WO 9832302A1

Designated contracting state (EPC)

DE ES GB

DOCDB simple family (publication)

**WO 9832302 A1 19980723**; AU 5785198 A 19980807; BR 9806284 A 20000215; CA 2277915 A1 19980723; CN 1117501 C 20030806; CN 1244329 A 20000209; EP 0954939 A1 19991110; JP 2001509993 A 20010724; SE 512077 C2 20000124; SE 9700176 D0 19970122; SE 9700176 L 19980723; TW 454363 B 20010911; US 6137993 A 20001024

DOCDB simple family (application)

**SE 9800016 W 19980109**; AU 5785198 A 19980109; BR 9806284 A 19980109; CA 2277915 A 19980109; CN 98801980 A 19980109; EP 98901610 A 19980109; JP 53421198 A 19980109; SE 9700176 A 19970122; TW 87100114 A 19980106; US 862898 A 19980116